This listing of the claims replaces all prior versions, and listings, of claims in the

LISTING OF CLAIMS

application:

 (Currently amended) A method for providing an inbound call service to a public switched telephone network (PSTN) service subscriber, the method comprising:

receiving a call initiation message at a call service node (CSN), the call

initiation message being associated with a call directed to a service

subscriber;

extracting a called number from the call initiation message, and identifying the

service subscriber associated with the called number;

issuing an inbound call notification message over a messaging network to at

least one messaging device operated by the service subscriber, the inbound

call notification message providing information related to the inbound call and requesting that the service subscriber select a call treatment option for

the inbound call:

while waiting for a reply to the inbound call notification message, routing the

call initiation message from the CSN to forward the call to a call parking

facility associated with the service;

receiving from the service subscriber a reply to the inbound call notification

message indicating the call treatment option selected by the service

subscriber in response to the inbound call notification message; and

controlling the call by sending a call release message from the CSN to release

the call from the call parking facility; and

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further controlling the call using call control messages sent from the CSN in accordance with the call treatment option selected by the service subscriber

in response to the inbound call notification message.

2. (Currently amended) The method as claimed in claim I wherein prior to

receiving the call initiation message at the CSN, the method further comprises

steps of:

receiving a dialed number at a service switching point that serves a calling party

that initiated the inbound call;

translating the dialed number and determining that the dialed number is a

locally ported number in accordance with a Local Number Portability (LNP)

deployment;

querying a service control point for routing instructions for completing the call

to the dialed number: and

formulating the call initiation message in response to receipt of the routing

instructions from the service control point.

3. (Currently amended) The method as claimed in claim 2 wherein formulating the

call initiation message comprises formulating an Initial Address Message containing a conversion number and a routing code for routing the Initial

Address Message to the CSN.

4. (Original) The method as claimed in claim 1 wherein identifying the service

subscriber comprises:

extracting the called number from the call initiation message and using the

called number in a query to retrieve a service subscriber profile that stores

default information about how calls to the service subscriber are to be

handled

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5. (Original) The method as claimed in claim 4 wherein issuing an inbound call

notification message comprises:

examining the service subscriber profile to identify at least one messaging

network address specified by the service subscriber; and

formulating and sending an inbound call notification message to each

messaging network address specified in the service subscriber profile, a

format of each inbound call notification message being determined by characteristics of the messaging network through which the inbound call

notification message is sent.

(Currently amended) The method as claimed in claim 1 wherein routing the call 6.

> to a call parking facility comprises routing forwarding the call to an announcement player that requests that the caller wait while the call is being

processed.

7. (Currently amended) The method as claimed in claim 1 wherein routing the call

to a call parking facility comprises routing forwarding the call to a voice mail

box.

8. (Original) The method as claimed in claim 7 wherein the reply received from

the service subscriber requests voice mail monitoring and the method further

comprises:

activating a trunk monitor connected to a trunk facility through which the call

is routed; converting monitored content into a format compatible with a one

of the at least one client device from which the reply was received; and

forwarding the converted monitored content to the client device from which the reply was received, to permit the service subscriber to listen to the voice

mail message in real time.

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9. (Original) The method as claimed in claim 8 wherein converting monitored

content comprises converting pulse code modulated data to a streaming audio

format.

10 (Currently amended) The method as claimed in claim 7 wherein routing the call

to a call parking facility comprises:

extracting the called number from the call initiation message and using the

called number in a query to retrieve a service subscriber profile;

extracting a calling party number from the call initiation message;

searching the caller profile to determine whether the calling party number is

associated with a specific voice mail box to which the call is to be

routedforwarded: and

if the calling party number is associated with a specific voice mail box, routing

the inbound call to the specific voice mail box, otherwise routing

forwarding the call to one of an announcement player and a default voice

mail box specified in the service subscriber profile.

11. (Original) The method as claimed in claim 10 wherein routing the call to the

voice mail box comprises modifying the call initiation message by inserting an address of the voice mail box into a called number field of the call initiation

message, and inserting a subscriber telephone number associated with the voice

mail box in a redirecting number field of the call initiation message, if the

subscriber telephone number associated with the voice mail box is different from the dialed telephone number in the original called number field of the call

initiation message.

12. (Currently amended) The method as claimed in claim 4 wherein controlling the

call using call control messages sent from the CSN in accordance with the call

treatment option selected by the service subscriber in response to the inbound

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call notification message comprises releasing the call from the call parking

facility and reconnecting the call to a telephone number specified in the reply, if the reply is received before a predetermined period of time lapses, and applying a default call treatment option specified in the service subscriber profile if the

reply is not received before the predetermined period of time lapses.

13 (Original) The method as claimed in claim 12 wherein the default call treatment

option is determined by a time of day and day of week.

14. (Original) The method as claimed in claim 12 wherein the default call treatment

option is forwarding the call to a voice mail box.

15. (Original) The method as claimed in claim 12 wherein reconnecting the call to a

telephone number specified in the reply comprises one of: reconnecting the call

to a directory number specified in the service subscriber profile; reconnecting the call to a service-subscriber-selected one of a plurality of telephone numbers

specified in the service subscriber profile; and, reconnecting the call to a telephone number supplied by the service subscriber in the reply to the inbound

call notification message.

16. (Previously presented) The method as claimed in claim 1 further comprising

storing a number of a calling party that initiated the inbound call so that if the reply to the inbound call notification is received after the calling party has

terminated the inbound call, the CSN can use information in the reply and the

stored number of the calling party to automatically establish a call between the

service subscriber and the calling party.

17.-25. Cancelled.

26. (Currently amended) A method for providing single number service to a public

switched telephone network (PSTN) service subscriber, comprising:

receiving a call initiation message at a call service node (CSN), the call initiation message being associated with a call directed to a service subscriber.);

extracting a called number from the call initiation message, and using the called number to identify the service subscriber:

issuing an inbound call notification message over a messaging network to at least one messaging device operated by the service subscriber, the inbound call notification message providing information related to the inbound call and requesting that the service subscriber select a call treatment option for the inbound call:

while waiting for a reply to the inbound call notification message, routing the call initiation message from the CSN to forward the call to a call parking facility associated with the service:

receiving from the service subscriber a reply to the inbound call notification message indicating the call treatment option; and

<u>further</u> controlling the inbound call <u>by sending call control messages</u> from the CSN in accordance with the call treatment option selected by the service subscriber in response to the inbound call notification message.

27. (Currently amended) The method as claimed in claim 26 wherein prior to receiving the call initiation message at the CSN, the method further comprises steps of:

receiving a dialed number at a service switching point that serves a calling party
that initiated the inbound call:

translating the dialed number and determining that the dialed number is a <u>locally</u>

ported number in accordance with a <u>Local Number Portability</u> (LNP)

deployment:

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querying a service control point for routing instructions for completing the call

to the dialed number; and

formulating the call initiation message in response to receipt of the routing

instructions from the service control point.

28. (Currently amended) The method as claimed in claim 27-26 wherein

formulating the call initiation message comprises formulating an Initial Address Message containing a conversion number and a routing code for routing the

ricesage containing a <u>conversion named a round</u> con

Initial Address Message to the CSN.

29. (Original) The method as claimed in claim 26 wherein identifying the service

subscriber comprises:

extracting the called number from the call initiation message and using the

called number in a query to retrieve a service subscriber profile that stores

the plurality of directory numbers and other default information about how

calls to the service subscriber are to be handled.

30. (Original) The method as claimed in claim 29 wherein issuing an inbound call

notification message comprises:

examining the service subscriber profile to identify at least one messaging

network address specified by the service subscriber; and

formulating and sending an inbound call notification message to each messaging

network address specified in the service subscriber profile, a format of each

inbound call notification message being determined by characteristics of the

messaging network through which the inbound call notification message is

sent, and each inbound call notification message containing a list of the

directory numbers associated with the service subscriber.

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31. (Original) The method as claimed in claim 30 further comprising formulating the inbound call notification message to include an option to permit the service subscriber to specify a directory number that is different from the plurality of

directory numbers in the service subscriber profile.

(Currently amended) The method as claimed in claim 30 wherein routing the 32.

call initiation message from the CSN to forward the call to a call parking facility

comprises routing the call to an announcement player that requests that the caller wait while the call is being processed.

33. (Currently amended) The method as claimed in claim 26 wherein routing the

call initiation message from the CSN forward the call to a call parking facility

comprises routing the call to a voice mail box.

34. (Currently amended) The method as claimed in claim 33 wherein routing the

call initiation message from the CSN to route the call to a call parking facility

comprises:

extracting the conversion number from the call initiation message and using the

conversion number in a query to retrieve a service subscriber profile;

extracting a calling party number from the call initiation message;

searching the caller profile to determine whether the calling party number is

associated with a specific voice mail box to which the call is to be

routedforwarded; and

if the calling party number is associated with a specific voice mail box, routing

the call initiation message from the CSN to forward the inbound call to the

specific voice mail box, otherwise routing the call initiation message from

the CSN to forward the call to one of an announcement player and a default

voice mail box specified in the service subscriber profile.

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35. (Currently amended) The method as claimed in claim 34 wherein routing the call initiation message from the CSN to forward the call to the voice mail box comprises modifying the call initiation message by inserting an address of the voice mail box into a called party number field of the call initiation message, and inserting a one of the subscriber telephone numbers associated with the voice mail box in a redirecting number field of the call initiation message, if the

subscriber telephone number associated with the voice mail box is different

from the client telephone number in the called number field of the call initiation

message.

36. (Currently amended) The method as claimed in claim 29 wherein <u>further</u> controlling the call <u>by sending call control messages</u> from the CSN comprises releasing-sending a call release message to release the call from the call parking facility and reconnecting-sending a call control message from the CSN to <u>forward</u> the call to the directory number specified in the reply, if the reply is received before a predetermined period of time lapses, and <u>applying-sending a</u> call control message from the CSN to forward the call to a service subscriber directory number specified in the service subscriber profile if the reply is not

received before the predetermined period of time lapses.

37. (Original) The method as claimed in claim 36 wherein the service subscriber

directory number is selected based on a time of day and day of week.

 (Original) The method as claimed in claim 37 further comprising storing a number of a calling party so that if the reply is received after the calling party

has terminated the call, the CSN can use the directory number specified in the

reply, and the stored number of the calling party, to <u>send call control messages</u> from the CSN to automatically establish a call between the service subscriber

and the calling party.

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